Welcome

Restoration Advisory Board Meeting

Robins Air Force Base

10 January 2002

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Theme: Worker Protection

Welcome and Program Introduction

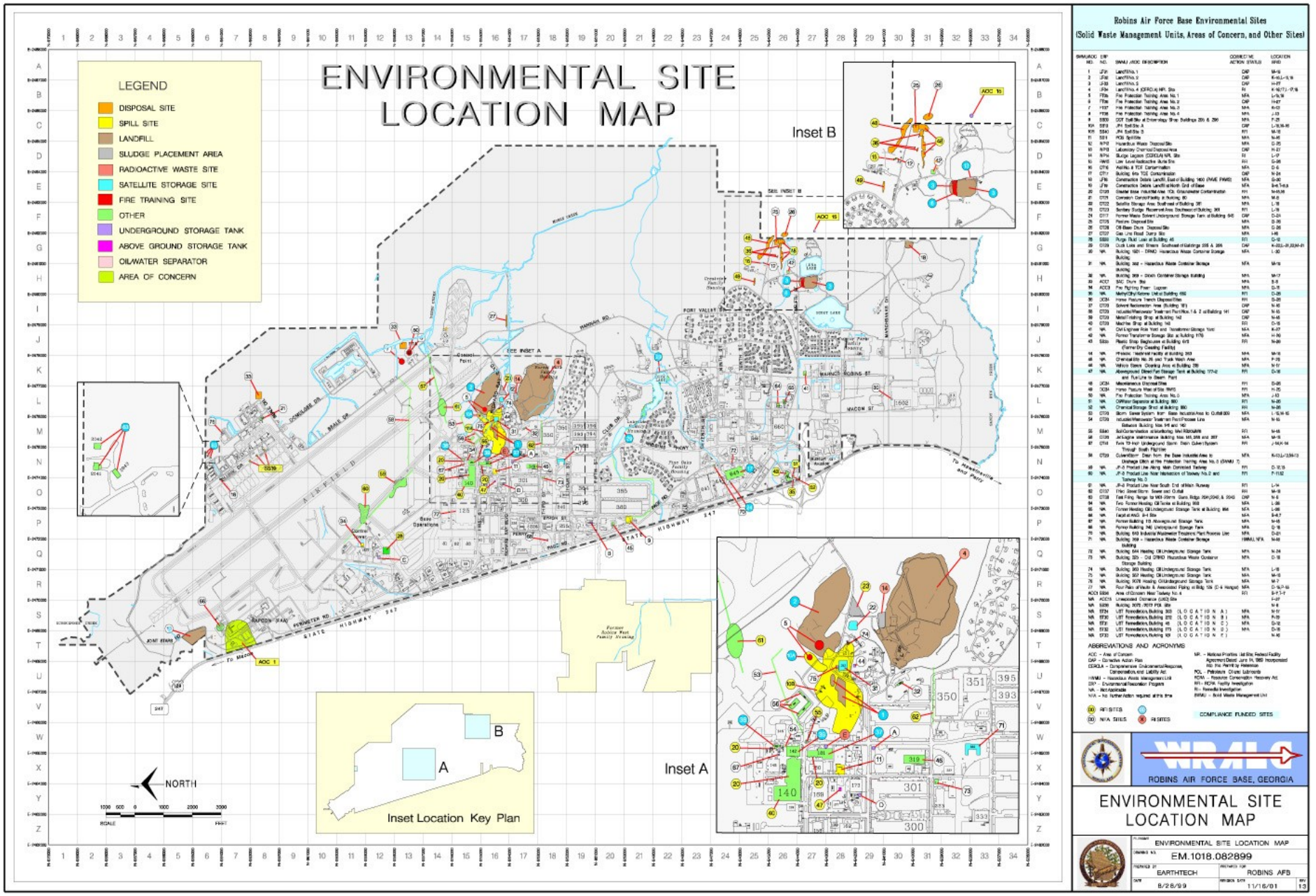
Mr. Jim Harden

Community Co-Chair

Environmental Restoration Program (ERP) Update

Mr. Kevin Long, WR-ALC/EMQ

January 10, 2002



Robins Air Force Base Environmental Sites

(Solid Waste Management Units, Areas of Concern, and Other Sites)

SWMU/AOC NO.	DRP NO.	SWMU /AOC DESCRIPTION	CORRECTIVE ACTION STATUS	LOCATION GRID
1	JF01	Landfill No.1	DRP	M-16
2	JF02	Landfill No.2	DRP	K-16,L-15,16
3	JF03	Landfill No.3	DRP	H-27
4	JF04	Landfill No.4 (CERCLA) NPL Site	RI	K-16(71)-17,16
5	FT05	Fire Protection Training Area No.1	NFA	L-15,16
6	FT06	Fire Protection Training Area No.2	DRP	H-27
7	FT07	Fire Protection Training Area No.3	NFA	K-13
8	FT08	Fire Protection Training Area No.4	NFA	J-23
9	SS00	SOT Spill Site at Entomology Shop Buildings 205 & 206	NFA	P-25
10	SS10	JP4 Spill Site A	DRP	L-15,16-16
11	SS40	JP4 Spill Site B	RFI	M-15
12	SS51	POL Spill Site	NFA	M-16
13	NP01	Hazardous Waste Disposal Site	NFA	O-25
14	NP02	Laboratory Chemical Disposal Area	DRP	H-27
15	NP04	Sludge Lagoon (CERCLA NPL Site	RI	L-17
16	HW05	Low Level Radioactive Burial Site	RFI	G-26
17	OT10	Asphalt & TCE Contamination	NFA	G-6
18	OT11	Building 949 TCE Contamination	DRP	M-24
19	LF06	Construction Debris Landfill, East of Building 1400 (FAVE PAVE)	NFA	G-30
20	LF07	Construction Debris Landfill at North End of Base	NFA	See Text
21	OT20	Disaster Area Industrial Area TCE Groundwater Contamination	RFI	M-15,16
22	OT21	Corrosion Control Facility at Building 80	NFA	M-18
23	OT22	Satellite Storage Area, Southeast of Building 281	NFA	L-18
24	OT23	Sanitary Sludge Placement Area Southeast of Building 300	RFI	L-16
25	OT17	Former Waste Solvent Underground Storage Tank at Building 640	DRP	D-24
26	OT25	Pesticide Disposal Site	NFA	H-26
27	OT26	Oil-Base Drum Disposal Site	NFA	G-26
28	OT27	Gas Line Road Dump Site	NFA	I-26
29	SS69	Purge Fluid Leak at Building 45	RFI	D-18
30	OT29	Duck Locks and Streams Southeast of Buildings 205 & 206	DRP	K-22(L-2),23,24-21
31	NA	Building 1921 - DRMO Hazardous Waste Container Storage Building	NFA	I-30
32	NA	Building 302 - Hazardous Waste Container Storage Building	NFA	M-19
33	NA	Building 309 - Drum Container Storage Building	NFA	M-17
34	ACC1	SAC Drum Site	NFA	E-8
35	ACC3	Fire Fighting Pond - Lagoon	NFA	D-19
36	NA	Methyl Ethyl Ketone Unit at Building 692	RFI	D-26
37	OT28	Inside Pressure Trench Disposal Sites	RFI	D-26
38	OT29	Solvent Reclamation Area (Building 181)	DRP	M-16
39	OT29	Industrial Wastewater Treatment Plant Nos. 1 & 2 at Building 141	DRP	M-16
40	OT29	Metal Finishing Shop at Building 140	DRP	M-16
41	OT29	Machine Shop at Building 140	RFI	D-19
42	NA	Civil Engineer Shop Yard and Transformer Storage Yard	NFA	K-27
43	NA	Former Transformer Storage Site at Building 1170	NFA	H-19
44	SS06	Plastic Shop Baghouses at Building 615 (Former Dry Cleaning Facility)	RFI	M-09
45	NA	Hydraulic Testbed Facility at Building 309	NFA	M-19
46	NA	Chemical Mix Bldg and Truck Wash Area	NFA	P-29
47	NA	Vehicle Steam Cleaning Area at Building 256	NFA	M-17
48	NA	Aboveground Diesel Fuel Storage Tank at Building 1774-2 and Fuel Line to Steam Plant	RFI	D-18
49	OT30	Miscellaneous Disposal Sites	RFI	D-26
50	OT31	Inside Pressure Trench (IPT)	RFI	F-25
51	NA	Fire Protection Training Area No.5	NFA	J-10
52	NA	Oil/Water Separator at Building 990	RFI	M-26
53	NA	Chemical Storage Shed at Building 990	RFI	M-26
54	OT29	Storm Sewer System from Base Industrial Area to Outfall 009	NFA	L-16,M-16
55	SS60	Industrial Wastewater Treatment Plant Process Line Between Building Nos. 141 and 140	NFA	M-16
56	SS60	Soil Contamination at Building 990 REMOVED	RFI	M-16
57	OT32	Jet Engine Maintenance Building Nos. 945, 946 and 947	NFA	M-18
58	OT34	Twin 72-Inch Underground Storm Drain Culvert System Through South Flightline	RFI	J-14,K-14
59	OT39	Culvert from the Base Industrial Area to Drainage Ditch at the Protective Training Area No.3 (SWMU 7)	NFA	K-10,L-13,14-13
60	NA	JP-8 Product Line along Connected Taxiway	RFI	D-10,11
60	NA	JP-8 Product Line Near Intersection of Taxiway No.2 and Taxiway No.3	RFI	F-11,12
61	NA	JP-8 Product Line Near South End of Main Runway	RFI	L-14
62	OT37	Misc. Street Storm Sewers and Outfall	RFI	M-18
63	OT38	Test Firing Range for M60 45mm Guns Bldgs 3541,3540, & 3545	NFA	M-8
64	NA	Two Former Heating Oil Tanks at Building 908	NFA	L-26
65	NA	Former Heating Oil Underground Storage Tank at Building 966	NFA	L-26
66	NA	Test pit at AOC 3 and Site	NFA	E-8,7
67	NA	Former Building 115 Aboveground Storage Tank	NFA	M-15
68	NA	Former Building 740 Underground Storage Tank	NFA	O-18
70	NA	Building 1400 Vehicle Washrack Treatment Plant Process Line	NFA	D-30
71	NA	Building 309 - Hazardous Waste Container Storage Building	HWMU/NFA	M-18
72	NA	Building 644 Heating Oil Underground Storage Tank	NFA	N-24
73	NA	Building 309 - Old DRMO Hazardous Waste Container Storage Building	NFA	O-18
74	NA	Building 360 Heating Oil Underground Storage Tank	NFA	L-18
75	NA	Building 307 Heating Oil Underground Storage Tank	NFA	M-18
76	NA	Building 3078 Heating Oil Underground Storage Tank	NFA	M-7
77	NA	Roof Drain of Vaults & Associated Piping at Bldg 10s (C-5 Hangar)	NFA	D-16,17-16
ACC5	SS64	Area of Concern West of Building No. 4	RFI	E-7,7-7
NA	ACC5	Unexploded Ordnance (UXO) Site	NFA	F-27
NA	SS09	Building 3075 /3078 POL Site	NFA	N-8
NA	ST01	UST Remediation, Building 300 (LOCATION A)	NFA	M-17
NA	ST02	UST Remediation, Building 270 (LOCATION B)	NFA	P-19
NA	ST31	UST Remediation, Building 270 (LOCATION C)	NFA	O-22
NA	ST32	UST Remediation, Building 173 (LOCATION D)	NFA	D-18
NA	ST33	UST Remediation, Building 109 (LOCATION E)	NFA	M-16

ABBREVIATIONS AND ACRONYMS

ACC - Area of Concern
DAP - Corrective Action Plan
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
HWMU - Hazardous Waste Management Unit
ERP - Environmental Restoration Program
NA - Not Applicable
NFA - No further action required at this time
NPL - National Priorities List Site; Federal Facility Agreement Dated June 14, 1990 Incorporated into the Permit by Reference
POL - Petroleum, Oil and Lubricants
RCRA - Resource Conservation Recovery Act
RFI - RCRA Facility Investigation
RI - Remedial Investigation
SWMU - Solid Waste Management Unit

(00) RFI SITES
(00) NFA SITES
(X) RI SITES

COMPLIANCE FUNDED SITES

WRALC
ROBINS AIR FORCE BASE, GEORGIA

ENVIRONMENTAL SITE LOCATION MAP

ENVIRONMENTAL SITE LOCATION MAP	
DRAWING NO.	EM.1018.082899
PREPARED BY: EARTHTECH	PREPARED FOR: ROBINS AFB
DATE: 8/28/99	REVISION DATE: 11/16/01
	REV: 13

Prevention and Response Programs for Environmental Releases

Mr. Russell Adams, WR-ALC/EMPP

EMERGENCY RESPONSE MANAGER

OVERVIEW

- Regulatory Drivers
- Roles and Responsibilities
- Prevention
- Emergency Response
  - Preparedness
  - Decontamination
  - Incident Termination
- Recent/Future Acquisitions
- Recent Spill Responses
- Summary

REGULATORY DRIVERS

- Reporting chemicals
- Reporting oil spills
- Federal compliance with executive orders
- Established procedures and plans

ROLES/RESPONSIBILITIES

- Air Base Wing Commander
  - On-scene commander
- Environmental Management
  - Advisor, liaison, reporting
- Bioenvironmental Engineering
  - PPE selection, air monitoring
- Civil Engineering
  - Fire Dept, Spill Response Team
- Security Police
  - Establish cordons, site control
- Public Affairs
  - Awareness

RELEASE PREVENTION

- Basewide oil spill training
- Response Plans and procedures
- Major accident readiness exercises
- Periodic fire/HAZMAT drills
- Base organizations utilize prevention equipment

PREPAREDNESS

- Base organizational responsibility
- Extensive training
- Resources

PREPAREDNESS (Cont'd)

- Robins Fire Department
  - First responder
  - Utilizes professional advice resources
  - Utilizes incident management system

PREPAREDNESS (Cont'd)

- Explosive Ordinance Disposal
  - Suspicious packages
- Base Spill Response Team
  - Assists in decontamination, site cleanup

PREPAREDNESS (Cont'd)

- Contract support
  - Large or complex incidents
  - Incident mitigation assistance
  - Restoration

DECONTAMINATION

- Base Spill Response Team and contract support
  - Safety
  - Packaging
  - Disposal

INCIDENT TERMINATION

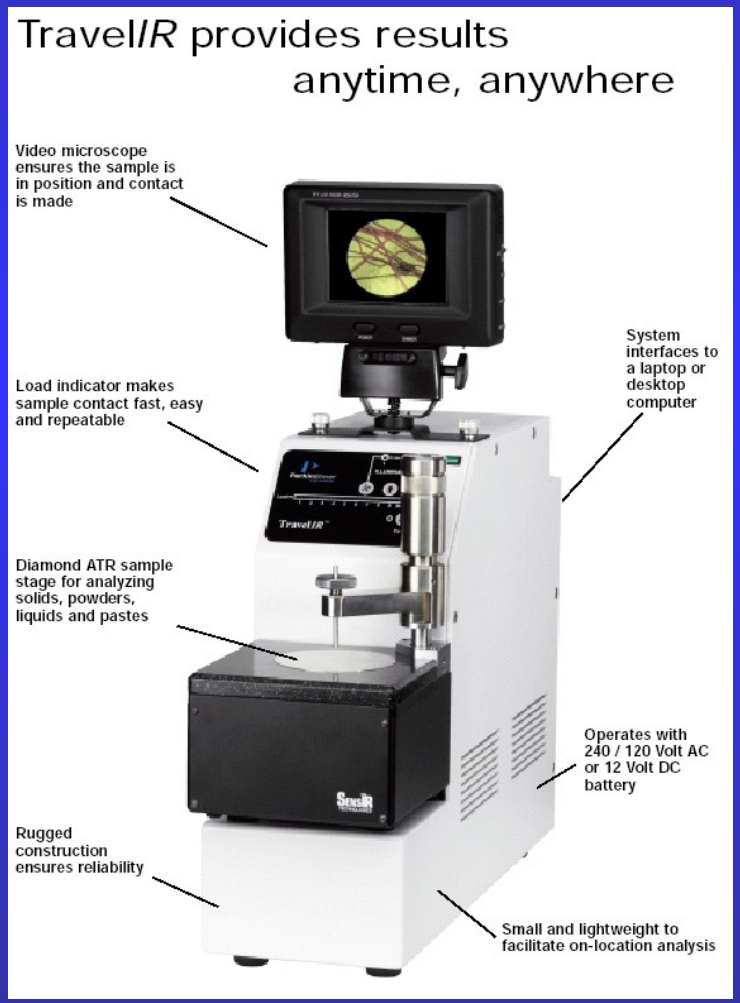
- Vacuuming of wastes
- Transfer operations
- Off-site spill control measures
- Proper packaging/disposal of wastes
- Site restoration

D.O.T. PROPER SHIPPING NAME AND I.D. NUMBER.
RQ WASTE HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
POLYCHLORINATED BIPHENYLS
NA9189
ORM-E
HAZARDOUS WASTE
FEDERAL LAW PROHIBITS IMPROPER DISPOSAL
IF FOUND, CONTACT THE NEAREST POLICE, OR PUBLIC SAFETY AUTHORITY, OR THE U.S. ENVIRONMENTAL PROTECTION AGENCY
GENERATOR INFORMATION:
NAME: DOW CHEMICAL USA-LA DIV.
ADDRESS: BOX 150, HWY. 1 SOUTH PHONE: (504) 353-8888
CITY: PLAQUEMINE STATE: LA ZIP: 70765
EPA ID NO. / MANIFEST DOCUMENT NO. LAD008187080
ACCUMULATION START DATE: SEE CONTINUATION SHEETS
EPA WASTE NO.
D019 D033 D043
D022 D034 K016
D028 D039 K019
D032 D040
HANDLE WITH CARE!

RECENT ACQUISITIONS

- 30 ft. trailer for equipment transport
- HEPA vacuum
- Chemical agent monitor
- Mass decon solution applicator

FUTURE ACQUISITIONS


Travel*IR* provides results anytime, anywhere
Video microscope ensures the sample is in position and contact is made
Load indicator makes sample contact fast, easy and repeatable
Diamond ATR sample stage for analyzing solids, powders, liquids and pastes
Rugged construction ensures reliability
System interfaces to a laptop or desktop computer
Operates with 240 / 120 Volt AC or 12 Volt DC battery
Small and lightweight to facilitate on-location analysis

RECENT SPILL RESPONSES

- Fuel/water spill from Fire Training Facility (FTF)
  - Caused by electrical equipment failure
  - Removed and disposed of the affected soil
  - Repaired electrical equipment
  - MILCON project to replace existing FTF with a propane system
  - Reported to National Response Center, EPA, and GA EPD
- Duck Lake sewage spill
  - Overflow due to grease buildup
  - Manhole will be raised, sewer inspection performed
  - Base housing grease awareness program
  - Reported to GA EPD

RECENT SPILL RESPONSES
(Cont'd)

- Other Spills
  - Most releases/spills on the base are small, incidental
  - Predominant incidental spills are petroleum, oils, and lubricants ranging in quantity from 1 quart to 30 gallons
  - Chemical spills have been minimal
  - During 2001 there were 23 reported incidental spills
  - During 2000 there were 33 reported incidental spills

RECENT SPILL RESPONSES

(Cont'd)

- JSTARS E8-C Aircraft Spilled 7500 gallons JP-8
- Effective response effort
  - Immediate full response
  - Procedures implemented prevented soil and water contamination
- No impact to environment

SUMMARY

- Successful recent spill responses
- Excellent capability - proper equipment and training
- The bottom line - We are prepared

Restoration Program Worker Protection

Jack Peng, Ph.D., CIH

Director, Environment, Health and Safety

GeoSyntec Consultants

OVERVIEW

- Regulatory drivers
- Health and safety plans (HASPs)
- Three work zones for
  worker protection
- Air monitoring
- Personal protective equipment (PPE)
- Respiratory fit test
- Summary

REGULATORY DRIVERS

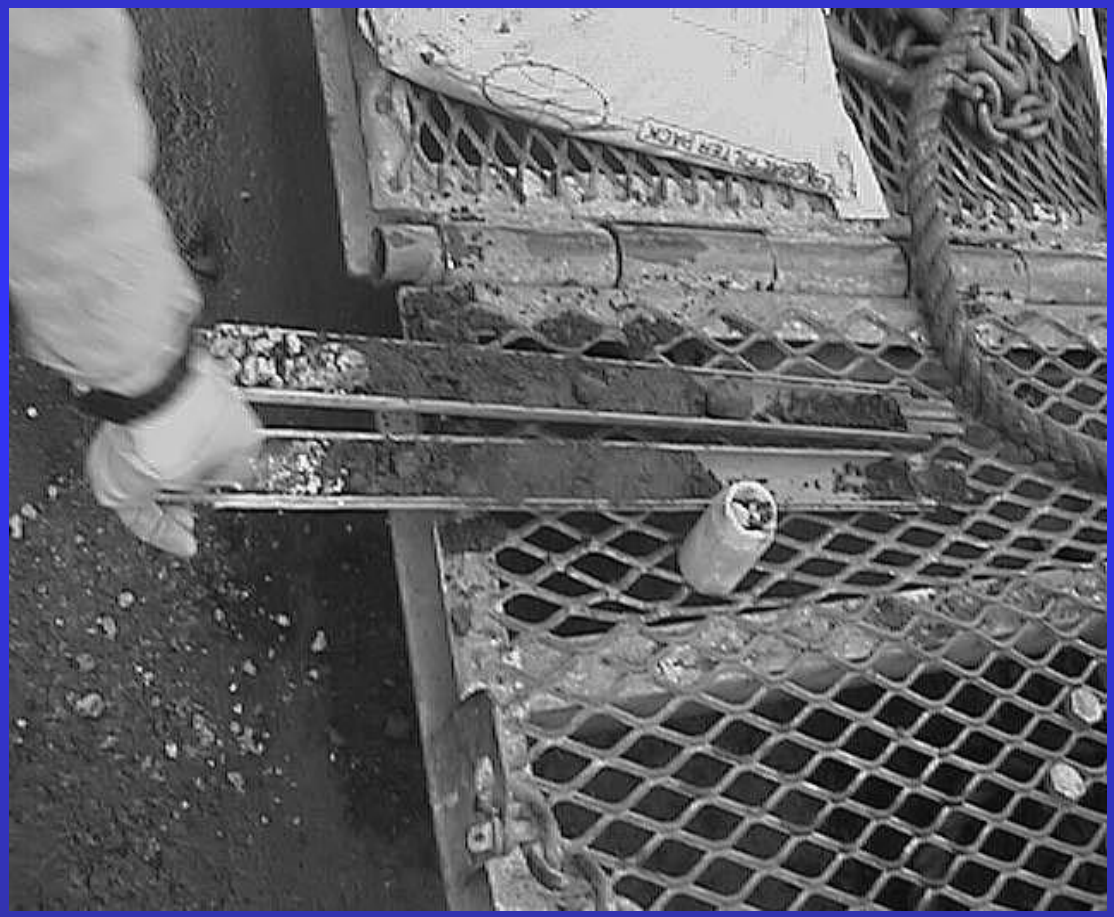
- Hazardous Waste Operations and Emergency Response (HAZWOPER)
  OSHA 29 CFR 1910.120
- Contaminant hazards (trichlorethylene, lead)
- Physical hazards (track hoe, drilling, etc.)
- Biological (ticks and mosquitoes, etc.)
- Training (40-hr & 8-hr annual refresher, 8-hr supervisor)
- Medical examination

REGULATORY DRIVERS
(Cont'd)

- Hazard Communication, OSHA 29 CFR 1910. 1200
  - Chemicals
    - bentonite (silica)
    - decon solution (isopropyl alcohol, nitric acid)
    - preservatives (hydrochloric acid)
  - Material Safety Data Sheets (MSDSs)
  - Training

HEALTH AND SAFETY PLAN

- Prepared by SHSO
- Reviewed by PM, EHSC and principal
- Read by all
- Daily tailgate meeting
- Inspected weekly
- Audited yearly
- Notify subcontractor(s) of potential hazards



THREE WORK ZONES FOR WORKER PROTECTION

- Exclusion (hot)
- Contamination Reduction (warm)
- Clean (cold)

AIR MONITORING

- Flame Ionization Detector (for general organic vapors)
- Combustible Gas Indicator (for general flammable vapors)
- Draeger Air Monitor

  (for specific organic vapor)

PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Level A- Encapsulated chemical suit, SCBA
- Level B - Supplied airline respirator, etc.
- Level C - Full face or half face respirator, etc.
- Level D - No respirator, etc.

RESPIRATORY FIT TEST

- Assures no leak
- Irritant smoke fit test or banana oil fit test
- Quantitative fit test
- Annual test or before the project
- On-site positive and negative pressure tests
- No beard, no glasses nor contact lenses

SUMMARY

- Worker protection is important
- Robins AFB takes the responsibility seriously
- Base devotes resources (money and time) to ensure proper equipment and training
- Base ensures contractors conform to all worker protection requirements

New Business and Program Closing

Mr. Jim Harden

Community Co-Chair

Next RAB Meeting:

14 March 2002

Hampton Inn
4000 Watson Boulevard
Warner Robins, Georgia

Please recycle…

Recycle your name tag and lanyard by leaving them at your seat… we will collect and reuse at the next RAB meeting.

Thank you!